

1771  
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN THE APPLICATION OF:

RICHARD ALLEN HAYES

CASE NO.: AD6889USNA

APPLICATION NO.: 10/631880

CONFIRMATION NO.: 1805

GROUP ART UNIT: 1711

EXAMINER:

FILED: JULY 31, 2003

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A translation or a concise explanation of non-English language information is enclosed.

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Respectfully submitted,

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Dated: 14 JAN 2004

Enclosures



PTO/SB/92 (08-03)

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10/631880

AD6889USNA

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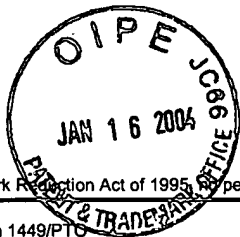
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**Complete if Known**

Application Number	10/631880
Filing Date	July 31, 2003
First Named Inventor	Richard Allen Hayes
Art Unit	1711
Examiner Name	
Attorney Docket Number	AD6889USNA

Sheet 1 of 1

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		US- 3,563,942	02-16-1971	Heiberger	
		US- 3,634,541	01-11-1972	Popp, et al.	
		US- 3,779,993	12-18-1973	Kibler, et al.	
		US- 4,104,262	08-01-1978	Schade	
		US- 4,340,519	07-20-1982	Kotera, et al.	
		US- 4,390,687	06-28-1983	Tung	
		US- 4,476,189	10-09-1984	Posey, et al.	
		US- 5,171,308	12-15-1992	Gallagher, et al.	
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		US- 5,219,646	06-15-1993	Gallagher, et al.	
		US- 5,295,985	03-22-1994	Romesser, et al.	
		US- 5,936,045	08-10-1999	Warzelhan, et al.	
		US- 6,018,004	01-25-2000	Warzelhan, et al.	
		US- 6,046,248	04-04-2000	Warzelhan, et al.	
		US- 6,114,042	09-05-2000	Warzelhan, et al.	
		US- 6,201,034 B1	03-13-2001	Warzelhan, et al.	
		US- 6,258,924 B1	07-10-2001	Warzelhan, et al.	
		US- 6,297,347 B1	10-02-2001	Warzelhan, et al.	
		US- 6,342,304 B1	01-29-2002	Buchanan, et al.	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> *Number <sup>4</sup> *Kind Code <sup>5</sup> (if known)				
		WO 01/19909 A1	03-22-2001	BASF Aktiengesellschaft		
		WO 02/16468 A1	02-28-2002	E. Khashoggi Industries		

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